

I CLAIM:

1. A height adjustable armrest assembly for a chair,
comprising:

5 a support unit including a lower part defining
a lower chamber, and an upper part that defines an
upper chamber therein, that is movable relative to
said lower part, and that has an abutting member
disposed within said upper chamber and subdividing
said upper chamber into an upper portion and a lower
10 portion;

an armrest mounted on said upper part so as to
be movable together therewith;

15 a cylinder-and-piston unit including a cylinder
that extends into said lower portion of said upper
chamber to abut against said abutting member and
that has opposite upper and lower ends, a piston
mounted securely in said lower chamber and
telescopically extending into said lower end of
said cylinder, and a locking member including a
20 spring-biased button projecting upwardly from said
upper end of said cylinder, extending through said
abutting member and into said upper portion of said
upper chamber and pressible to move between a locked
position, in which, said cylinder is locked by said
25 locking member against axial movement relative to
said piston, and an unlocked position, in which,
said cylinder is released by said locking member

so as to be axially movable relative to said piston;
and

a control knob mounted movably on said upper part
of said support unit, engaging said button, and
operable so as to move said button from said locked
position to said unlocked position.

2. The height adjustable armrest assembly as defined
in Claim 1, wherein said cylinder-and-piston
assembly is pneumatically operated.

3. The height adjustable armrest assembly as defined
in Claim 1, wherein said upper part includes a
peripheral wall that defines said upper chamber and
that is formed with a knob-retention slot which is
in spatial communication with said upper portion
of said upper chamber and which receives said
control knob therein, said cylinder-and-piston
assembly further including a lever-holding seat
disposed within said upper portion of said upper
chamber in said upper part and having a bottom
portion that is seated on said abutting member and
that is formed a bottom hole to permit extension
of said button therethrough, and two parallel
portions extending from two opposite sides of said
bottom portion, and an actuating lever pivoted to
said parallel portions of said lever-holding seat
and having opposite ends respectively in contact
with said button and said control knob in such a

manner that movement of said control knob to an upper position along said knob-retention slot results in turning of said actuating lever in a first direction, which, in turn, forces said button to said unlocked position, and that movement of said control knob to a lower position along said slot results in turning said actuating lever in a second direction opposite to said first direction and restoring of said button to said locked position.